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## **Avangrid SASB Report**

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**2024**

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# ELECTRIC

## Greenhouse Gas Emissions & Energy Resource Planning

### ■ IF-EU-110a.1

1. Gross global Scope 1 emissions,
2. Percentage covered under emissions limiting regulations, and
3. Percentage covered under emissions-reporting regulations.

CO2 emissions from power generation (t CO2 eq)			
	2024	2023	2022
Thermal generating plants	n/a	n/a	n/a
Cogeneration	1,518,998	1,245,098	1,012,134
Other emissions	36,375	47,188	38,212
<b>Total</b>	<b>1,555,373</b>	<b>1,292,286</b>	<b>1,050,346</b>

Other CO2 emissions (t CO2 eq)				
	2024	2023	2022	Source of Emission Factors
CH4 and N2O emissions from combustion (Non-renewable generating plants)	1,557	1,138	1,021	EPA
CH4 Fugitive Emissions (Gas storage and transport)	217,890	222,897	237,626	IPCC-AR5
SF6 Fugitive Emissions (Electricity distribution)	8,529	22,697	32,137	IPCC-AR5
Emissions in buildings (Fuel consumption)	53,267	58,920	5,132	DEFRA
Emissions from mobile combustion (Fleet)	42,388	38,560	49,202	DEFRA
Other emissions (Gas storage, coolant gases)	N/A	N/A	N/A	EPA
<b>Total</b>	<b>323,631</b>	<b>344,212</b>	<b>325,118</b>	

Total Scope 1 emissions (t CO2 eq)			
	2024	2023	2022
<b>Total</b>	<b>1,879,004</b>	<b>1,636,499</b>	<b>1,375,464</b>

■ **IF-EU-110a.2**

Greenhouse gas (GHG) emissions associated with power deliveries

<b>Scope 3 emissions (t CO2 eq)</b>			
	<b>2024</b>	<b>2023</b>	<b>2022</b>
Emissions associated with the generation of energy for third parties	—	—	—
Emissions from employee business travel	13,518	4,980	3,087
Emissions associated with the use of gas products	6,563,646	7,114,159	7,565,280
Emissions associated with the supply chain	1,101,902	932,179	775,952
Emissions associated with employee commutes to/from the workplace	14,943 <sup>1</sup>	8,139	12,667
Emissions associated with the energy purchased from third parties for sale to end customers	169,237 <sup>2</sup>	601,478	2,012,357
Upstream (WTT) emissions from fuel acquired and consumed	1,453,169 <sup>3</sup>	229,644	177,242
<b>Total</b>	<b>9,316,414</b>	<b>8,890,579</b>	<b>10,546,585</b>

Note: Variance 2023 to 2024 includes:

<sup>1</sup> Return to office requirement in the US increased business travel and commuting emissions.

<sup>2</sup> The decrease in emissions associated with the energy purchased from third parties for sale to end customers is primarily attributed to a 37.5% reduction in the emissions factor due to the use of a weighted average of regional emissions factors (NYUP and NEWE) by distribution loads where the Company operates instead of the U.S. average. Additionally, more accurate accounting of green energy sold in the New York region was factored in as an emissions avoidance, which was not fully captured in the 2023 calculations.

<sup>3</sup> WTT emissions were higher because 2024 data included additional sources such as the Company's gas use, electricity use, transmission and distribution (T&D) losses, and upstream emissions from gas products sold, which were not accounted for in the 2023 emissions inventory.

■ **IF-EU-110a.3**

Discussion of long-term and short-term strategy or plan to manage Scope 1 emissions, emissions reduction targets, and an analysis of performance against those targets

See [Avangrid 2024 Corporate Responsibility Report](#)

- Sustainability Goals Scorecard: Carbon neutral for scopes 1 and 2 (reduction from 2020) and Emissions-free installed capacity page 15
- Our Action on Resiliency, page 18
- Building and Interconnecting New Sources of Energy, pages 19-20
- The Ongoing Role of Natural Gas, page 21
- Innovating for the Future, page 104
- Key Performance Indicators: Emissions, page 117

■ **IF-EU-110a.4**

1. Number of customers served in markets subject to renewable portfolio standards (RPS)
2. Percentage fulfillment of RPS target by market

<b>Renewable Portfolio Standards (RPS)</b>			
	<b>2024</b>	<b>2023</b>	<b>2022</b>
<b>Number of customers served in markets subject to renewable portfolio standards (RPS)*</b>	2	2	2
<b>Percentage fulfillment of RPS target by market</b>	100	100	100**

\*Only applicable to the Power business.

\*\* In 2022, the reported value was 145% which represented the percentage achieved over goal, however, it was updated in 2024 to 100% which is aligned with disclosure.

## Air Quality

### ■ IF-EU-120a.1

Air emissions of the following pollutants:

- (1) NOx (excluding N2O)
- (2) SOx,
- (3) Particulate matter (PM10)
- (4) Lead (Pb)
- (5) Mercury (Hg); percentage of each in or near areas of dense population

NOx emissions (mt)			
	2024	2023	2022
Generating plants	N/A	N/A	N/A
Cogeneration plants	63	72	68
<b>Total</b>	<b>63</b>	<b>72</b>	<b>68</b>

Intensity of NOx emissions (kg/MWh)			
	2024	2023	2022
Specific emission from the global mix	0.003	0.003	0.000

SOx emissions (mt)			
	2024	2023	2022
Generating plants	N/A	N/A	N/A
Cogeneration plants	8	6	5
<b>Total</b>	<b>8</b>	<b>6</b>	<b>5</b>

Intensity of SOx emissions (kg/MWh)			
	2024	2023	2022
Specific emission from the global mix	0.0003	0.0003	0.0000

<b>Emissions of particulates (mt)</b>			
	<b>2024</b>	<b>2023</b>	<b>2022</b>
Generating plants	N/A	N/A	N/A
Cogeneration plants	26.64	23.86	16.56
<b>Total</b>	<b>26.64</b>	<b>23.86</b>	<b>16.56</b>

<b>Intensity of particulate emissions (kg/MWh)</b>			
	<b>2024</b>	<b>2023</b>	<b>2022</b>
Specific emission from the global mix	0.0011	0.0010	0.0001

## Water Management

### ■ IF-140a.1

Total water withdrawn, total water consumed; percentage of each in regions with high or extremely high baseline water stress

Water withdrawal, discharge and consumption (ALL AREAS) (mL)			
	2024	2023	2022
	All areas	All areas	All areas
Withdrawal by water source			
<b>Fresh Water</b>			
Surface water (river, lake, reservoir or wetland)	0.81	2.05	2.41
Sea water	N/A	N/A	N/A
Ground water	3.26	14.24	12.88
Third-party water	4220.60	3402.33	3270.16
<b>Total Water Withdrawal</b>			
Fresh water	4224.67	3418.62	3285.46
<b>Total All Areas</b>	<b>4224.67</b>	<b>3418.62</b>	<b>3285.46</b>

Water withdrawal, discharge and consumption (WATER STRESS AREAS) (mL)			
	2024*	2023	2022
	Water Stress Areas	Water Stress Areas	Water Stress Areas
Withdrawal by water source			
<b>Fresh Water</b>			
Surface water (river, lake, reservoir or wetland) (ML)	N/A	N/A	N/A
Sea water	N/A	N/A	N/A
Ground water	0.00	14.24	12.88
Third-party water	0.00	0.17	0.16
<b>Total water withdrawal</b>			
Fresh water	0.00	14.41	13.04
<b>Total Water Stress Areas</b>	<b>0.00</b>	<b>14.41</b>	<b>13.04</b>

\* 2024's indicator value for "Withdrawal by water source indicator" reflects an update in the reporting methodology to more accurately reflect water source information specifically related to water stress areas. Due to this update, there were no freshwater withdrawals in water stress areas.

Water withdrawal, discharge and consumption (ALL AREAS) (ML)			
	2024	2023	2022
Water discharge (ML)	1797.16	1370.88	1347.10
Water consumption (ML)	2427.51	2047.74	1938.35
<b>Total Consumption /Withdrawal (%)</b>	<b>57 %</b>	<b>60 %</b>	<b>59 %</b>

■ **IF-EU-140a.2**

Number of incidents of non-compliance associated with water quality permits, standards and regulations

Number of water-related incidents			
	2024	2023	2022
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>

■ **IF-EU-140a.3**

Description of water management risks and discussion of strategies and practices to mitigate those risks

See [Avangrid 2024 Corporate Responsibility Report](#)

- Sustainability Goals Scorecard, Recycled water in thermal gas generation, page 15
- Protecting drinking water at Kennebunk Plains, page 89
- Key Performance Indicators, Water, page 118

## Coal Ash Management

■ **IF-EU-150a.1**

Amount of coal combustion products (CCPs) generated and percentage recycled

Not applicable. Avangrid does not own or operate coal-fired power plants.

■ **IF-EU-150a.2**

Total number of coal combustion residual (CCR) impoundment, broken down by hazard potential classification and structural integrity assessment

Not applicable. Avangrid does not own or operate coal-fired power plants.



## Energy Affordability

### ■ IF-EU-240a.1

Average retail electric rate for residential, commercial, and industrial customers

Average retail electric rate in regulated markets (local currency/kWh)					
		2024	2023	2022	Metric
Avangrid Networks New York State Electric & Gas	Residential	0.1825	0.1597	0.1562	\$/kWh
	Industrial	0.1146	0.0892	0.1121	\$/kWh
	Commercial	0.1494	0.1165	0.1416	\$/kWh
Avangrid Networks Rochester Gas & Electric	Residential	0.1867	0.1666	0.1634	\$/kWh
	Industrial	0.1274	0.1026	0.1329	\$/kWh
	Commercial	0.1480	0.1599	0.1918	\$/kWh
Avangrid Networks Central Maine Power	Residential	0.2400	0.2800	0.2257	\$/kWh
	Industrial	0.1500	0.1400	0.0643	\$/kWh
	Commercial	0.1900	0.2600	0.1356	\$/kWh
Avangrid Networks United Illuminating	Residential	0.3400	0.3232	0.2655	\$/kWh
	Industrial	0.2500	0.2994	0.2017	\$/kWh
	Commercial	0.2700	0.2699	0.1935	\$/kWh

■ **IF-EU-240a.2**

Typical monthly electric bill for residential customers for 500 kW/h and 1,000 kW/h of electricity delivered per month.

<b>Average retail electric rate in regulated markets (local currency/kWh)</b>				
		<b>2024</b>	<b>2023</b>	<b>2022</b>
Avangrid Networks New York State Electric & Gas	500 kW/h	\$98.80	\$82.95	\$81.10
	1,000 kW/h	\$177.32	\$147.29	\$144.23
Avangrid Networks Rochester Gas & Electric	500 kW/h	\$100.65	\$87.15	\$85.61
	1,000 kW/h	\$176.84	\$150.72	\$147.89
Avangrid Networks Central Maine Power	500 kW/h	\$121.56	\$144.24	\$98.47
	1,000 kW/h	\$223.95	\$264.25	\$187.50
Avangrid Networks United Illuminating	500 kW/h	\$173.45	\$162.86	\$145.61
	1,000 kW/h	\$335.56	\$313.38	\$278.37

■ **IF-EU-240a.3**

Number of residential customer electric disconnections for non-payment, percentage reconnected within 30 days.

<b>Residential disconnections (No.)</b>			
	<b>2024</b>	<b>2023</b>	<b>2022</b>
Paid up to 48 h after disconnection	75,280	49,766	71,056
Paid between 48 h and one week after disconnection	12,454	3,899	2,993
Paid between one week and one month after disconnection	17,771	2,761	2,468
Paid between one month and one year	6,685	1,446	147
Paid after more than one year	—	—	—
Outstanding and unclassified	—	—	—
<b>Total</b>	<b>112,190*</b>	<b>57,872</b>	<b>76,664</b>

\*Note: Although Residential disconnections were allowed in 2023, Energy Assistance Program credits were still being applied. Therefore, it was decided to suspend “Residential terminations of service for non-payment through, or 30 days after.” This explains the variance between 2023 vs 2024.

Residential reconnections following payment of unpaid bills (No.)			
	2024	2023	2022
Less than 24 h after payment	53,162	34,432	36,665
Between 24 h and one week after payment	36,184	25,236	302
More than one week after payment	21,582	451	2,305
Unclassified	—	—	—
<b>Total</b>	<b>110,928*</b>	<b>60,119</b>	<b>39,272</b>

\*The 2024 reconnection increases reflect incorporate of Smart Meter reconnection information.

■ **IF-EU-240a.4**

Discussion of impact of external factors on customer affordability of electricity, including the economic conditions of the service territory

See [Avangrid 2024 Corporate Responsibility Report](#)

- Business Highlights from 2024: Supporting customer affordability, page 9
- Our Commitment to Positive Community Impacts: A Positive Impact on Customers, page 33
- Our Operating Companies Chapters on “Supporting Affordability and Emergency Response,” pages 68, 81, 93

## Workforce Health & Safety

### ■ IF-EU-320a.1

Total recordable incident rate (TRIR), fatality rate, and near miss frequency rate (NMFR)

Accident Rate for Own Staff			
	2024	2023	2022
<b>Number of accidents</b>			
Total	635	604	580
<b>With leave</b>			
Total	53	47	56
<b>With fatalities</b>			
Total	0	0	0
<b>With major consequences</b>			
Total	15	2	15
<b>Without Leave</b>			
Total	582	557	524
<b>Number of hours worked</b>			
Total	16,308,722.47	16,467,696.84	15,680,699
<b>Number of days lost</b>			
Total	4,320	2,004	4,210
<b>Frequency Index</b>			
Total	3.25	3	4
<b>Severity Index</b>			
Total	0.27	0.12	0.27

<b>Rates of Work-Related Injuries</b>			
	<b>2024</b>	<b>2023</b>	<b>2022</b>
<b>Rate of fatalities</b>			
Total	0.00	0.00	0.00
<b>Rate of work-related accidents with major consequences</b>			
Total	0.92	0.02	0.19
<b>Labor injury rate</b>			
Total	1.97	2.64	2.11

<b>Accident rate (subcontracted staff)</b>			
	<b>2024*</b>	<b>2023</b>	<b>2022</b>
<b>Number of accidents</b>			
Total	315	128	114
<b>With leave</b>			
Total	9	6	9
<b>With major consequences</b>			
Total	3	1	0
<b>With fatalities</b>			
Total	1	0	1
<b>Without Leave</b>			
Total	306	122	105
<b>Number of hours worked</b>	<b>13,649,657</b>	<b>10,632,298</b>	<b>10,767,210</b>
<b>Number of days lost</b>	<b>1,076</b>	<b>316</b>	<b>28</b>

\*2024 value reflects a change in incident reporting calculations to increase reporting accuracy.

<b>Rates of work-related injuries (sub-contracted personnel)</b>			
	<b>2024</b>	<b>2023</b>	<b>2022</b>
Rate of fatalities	0.073	0.000	0.019
Rate of work-related accidents with major consequences	0.220	0.019	0.000
Injury rate per work-related accident	4.689	0.959	0.762

<b>Absenteeism among own personnel (missed hours)</b>			
	<b>2024</b>	<b>2023</b>	<b>2022</b>
Occupational injury and disease	24,664		
Common illness and Covid	242,494	247,079	293,252
<b>Total</b>	<b>242,494</b>	<b>258,087</b>	<b>317,204</b>

## End Use Efficiency and Demand

### ■ IF-EU-420a.1

Percentage of electric utility revenues from rate structures that are decoupled and contain a lost revenue adjustment mechanism (LRAM)

Percentage of electric utility revenues from rate structures			
	2024	2023	2022
Decoupled	79%	80%	78%
Contain a lost revenue adjustment mechanism (LRAM)	0%	0%	0%

### ■ IF-EU-420a.2

Percentage of electric load served by smart grid technology

Percentage of electric load served by smart grid technology		
2024*	2023	2022
72%	46%	55%

\*The notable variable increase in 2024 is due to the ongoing deployment of Smart Meters in the NY region.

### ■ IF-EU-420a.3

Customer electricity savings from efficiency measures, by market

Customer electricity savings from efficiency measures, by market (MWh)			
	2024	2023	2022
Avangrid Networks - NYSEG	135,641	150,407	125,948
Avangrid Networks - RGE	54,130	87,083	68,863
Avangrid Networks - UI	23,187	33,200	57,038
<b>Total</b>	<b>212,958</b>	<b>270,690</b>	<b>251,849</b>

## Nuclear Safety & Emergency Management

### ■ IF-EU-540a.1

Total number of nuclear power units, broken down by U.S. Nuclear Regulatory Commission (NRC) action matrix column

Not applicable. Avangrid does not own or operate nuclear power plants.

### ■ IF-EU-540a.2

Description of efforts to manage nuclear safety and emergency

preparedness Not applicable. Avangrid does not own or operate nuclear power plants.

## Grid Resiliency

### ■ IF-EU-550a.1

Number of incidents of non-compliance with physical and/or cybersecurity standards or regulations

Avangrid had no non-compliance for NERC Critical Infrastructure Protection (CIP) standards that resulted in physical security or cyber security events.

### ■ IF-EU-550a.2

System Average Interruption Frequency Index (SAIFI), Customer Average Interruption Duration Index (CAIDI), inclusive of major event days 5, and System Average Interruption Duration Index (SAIDI)

Indicators of frequency of interruptions				
		2024	2023	2022
<b>Avangrid</b>	SAIFI	1.27	1.24	1.27

Indicators of average duration of interruption				
		2024	2023	2022
<b>Avangrid</b>	CAIDI	1.86	1.79	1.75
	SAIDI	2.36	2.22	2.22

## Activity Metrics - Electric

### ■ IF-EU-000.A

Number of customers served.

Electricity users (Millions)					
		2024	2023	2022	2021
Avangrid Networks New York State Electric & Gas	Residential	791,179	792,523	789,414	787,715
	Industrial	1,480	1,535	1,596	1,651
	Commercial	127,640	124,477	124,082	123,651
	Other	1,103	1,115	1,117	1,118
	<b>NYSEG Total</b>	<b>921,402</b>	<b>919,650</b>	<b>916,209</b>	<b>914,135</b>
Avangrid Networks Rochester Gas & Electric	Residential	352,413	350,548	349,585	347,851
	Industrial	624	651	678	706
	Commercial	39,631	39,955	40,199	40,835
	Other	477	480	485	477
	<b>RGE Total</b>	<b>393,145</b>	<b>391,634</b>	<b>390,947</b>	<b>389,869</b>
Avangrid Networks Central Maine Power	Residential	592,502	587,190	582,200	577,521
	Industrial	1,688	1,804	1,923	2,043
	Commercial	75,774	74,706	73,113	71,119
	Other	556	560	559	557
	<b>CMP Total</b>	<b>670,520</b>	<b>664,260</b>	<b>657,795</b>	<b>651,240</b>
Avangrid Networks United Illuminating	Residential	313,713	311,293	310,061	309,713
	Industrial	745	771	804	841
	Commercial	31,583	31,791	31,959	31,279
	Other	1,108	1,121	1,133	1,151
	<b>UI Total</b>	<b>347,149</b>	<b>344,976</b>	<b>343,957</b>	<b>342,984</b>
	<b>Avangrid Total</b>	<b>2,332,216</b>	<b>2,320,520</b>	<b>2,308,908</b>	<b>2,298,228</b>

Users that are producers of electricity			
	2024	2023	2022
Avangrid Networks New York State Electric & Gas	12,919	11,908	10,736
Avangrid Networks Rochester Gas & Electric	3,138	2,882	2,591
Avangrid Networks Central Maine Power	14,038	10,080	7,931
Avangrid Networks United Illuminating	24,053	21,650	18,977
<b>Total</b>	<b>54,148</b>	<b>46,520</b>	<b>40,235</b>



■ **IF-EU-000.B**

Total electricity delivered.

Total electricity delivered (MWh)				
		2024	2023	2022
Avangrid Networks New York State Electric & Gas	<b>Retail Customers</b>			
	Residential Customers	6,919,838	6,848,674	7,025,000
	Commercial Customers	5,810,437	5,764,776	5,601,000
	Industrial Customers	2,472,844	2,680,024	2,755,000
	Other Retail Customers	28,649	35,300	37,000
Avangrid Networks Rochester Gas & Electric	<b>Retail Customers</b>			
	Residential Customers	2,842,349	2,772,180	2,868,000
	Commercial Customers	3,018,102	3,049,819	3,092,000
	Industrial Customers	984,961	1,017,092	1,094,000
	Other Retail Customers	26,305	36,709	28,000
Avangrid Networks Central Maine Power	<b>Retail Customers</b>			
	Residential Customers	3,758,738	3,813,927	4,005,000
	Commercial Customers	3,236,389	3,177,419	3,247,000
	Industrial Customers	1,710,442	1,706,847	1,987,000
	Other Retail Customers	18,316	18,652	20,000
Avangrid Networks United Illuminating	<b>Retail Customers</b>			
	Residential Customers	2,101,455	2,051,960	2,183,000
	Commercial Customers	2,346,781	2,296,135	2,352,000
	Industrial Customers	377,326	378,607	385,000
	Other Retail Customers	21,359	21,634	22,000
	<b>Total</b>	<b>35,674,291</b>	<b>35,669,755</b>	<b>36,701,000</b>

■ **IF-EU-000.C**

Length of transmission and distribution line

Transmission and Distribution Power Lines (Km)				
		2024	2023	2022
Avangrid Networks New York State Electric & Gas		<u>Transmission</u>		
	Overhead	7,303	7,303	7,303
	Underground	17	17	17
	<b>Total</b>	<b>7,321</b>	<b>7,321</b>	<b>7,321</b>
		<u>Distribution</u>		
	Overhead	65,556	63,931	63,931
	Underground	5,910	5,776	5,721
	<b>Total</b>	<b>71,466</b>	<b>69,707</b>	<b>69,652</b>

<b>Transmission and Distribution Power Lines (Km) - continued</b>				
		<b>2024</b>	<b>2023</b>	<b>2022</b>
Avangrid Networks Rochester Gas & Electric		<u>Transmission</u>		
	Overhead	1,286	1,286	1,285
	Underground	516	512	512
	<b>Total</b>	<b>1,802</b>	<b>1,798</b>	<b>1,796</b>
		<u>Distribution</u>		
	Overhead	14,074	14,157	14,075
	Underground	5,469	5,349	5,441
<b>Total</b>	<b>19,543</b>	<b>19,506</b>	<b>19,517</b>	
Avangrid Networks Central Maine Power		<u>Transmission</u>		
	Overhead	4,606	4,656	4,648
	Underground	30	30	30
	<b>Total</b>	<b>4,636</b>	<b>4,686</b>	<b>4,678</b>
		<u>Distribution</u>		
	Overhead	47,446	47,487	47,257
	Underground	5,928	5,675	5,524
<b>Total</b>	<b>53,374</b>	<b>53,163</b>	<b>52,780</b>	
Avangrid Networks United Illuminating		<u>Transmission</u>		
	Overhead	178	176	176
	Underground	46	46	46
	<b>Total</b>	<b>224</b>	<b>223</b>	<b>223</b>
		<u>Distribution</u>		
	Overhead	13,428	13,395	13,391
	Underground	2,127	2,114	2,106
<b>Total</b>	<b>15,555</b>	<b>15,509</b>	<b>15,497</b>	
Avangrid Networks <b>TOTAL</b>		<u>Transmission</u>		
	Overhead	13,373	13,422	13,412
	Underground	609	605	605
	<b>Total</b>	<b>13,982</b>	<b>14,027</b>	<b>14,018</b>
		<u>Distribution</u>		
	Overhead	140,503	138,971	138,654
	Underground	19,435	18,915	18,792
<b>Total</b>	<b>159,938</b>	<b>157,885</b>	<b>157,446</b>	

■ **IF-EU-000.D**

Total electricity generated, % by major energy source, percentage in regulated markets

<b>Net electricity output by energy source (GWh)</b>			
	<b>2024</b>	<b>2023</b>	<b>2022</b>
Renewables	20,897	20,176	20,188
Onshore wind	19,294	19,019	19,612
Hydro electric	211	245	188
Solar and other	1,353	912	388
Combined Cycle	0	6	7
Cogeneration	3,884	3,144	2,516
<b>Total</b>	<b>24,786</b>	<b>23,326</b>	<b>22,711</b>

# GAS

## Energy Affordability

### ■ IF-GU-240a.1

Average retail gas rate for residential, commercial, industrial customers, and transportation services only

Average retail gas rate				
		2024	2023	2022
Avangrid Networks Berkshire Gas	Residential	\$17.45	\$18.59	\$18.17
	Commercial	\$13.90	\$15.35	\$15.36
	Industrial	\$10.20	\$11.70	\$12.77
	Transportation	\$3.31	\$3.28	\$3.05
Avangrid Networks Connecticut Natural Gas	Residential	\$15.40	\$16.88	\$17.20
	Commercial	\$9.03	\$11.73	\$12.06
	Industrial	\$7.10	\$10.44	\$8.27
	Transportation	\$3.48	\$3.15	\$4.10
Avangrid Networks Maine Natural Gas	Residential	\$19.10	\$22.83	\$22.16
	Commercial	\$14.48	\$18.30	\$18.16
	Industrial	\$11.94	\$14.64	\$17.73
	Transportation	\$3.52	\$3.04	\$3.01
Avangrid Networks New York State Electric & Gas	Residential	\$11.59	\$11.60	\$12.73
	Commercial	\$9.37	\$10.04	\$11.44
	Industrial	\$7.10	\$6.12	\$9.03
	Transportation	\$2.07	\$1.86	\$1.87
Avangrid Networks Rochester Gas & Electric	Residential	\$10.52	\$9.79	\$10.76
	Commercial	\$7.83	\$8.17	\$9.09
	Industrial	\$5.83	\$5.10	\$7.74
	Transportation	\$1.49	\$1.16	\$1.06
Avangrid Networks Southern Connecticut Gas	Residential	\$16.09	\$17.25	\$17.46
	Commercial	\$9.54	\$10.65	\$11.41
	Industrial	\$8.82	\$9.73	\$14.54
	Transportation	\$3.88	\$3.54	\$4.31

■ **IF-GU-240a.2**

Typical monthly gas bill for natural gas delivered to residential customers.

Typical monthly gas bill for residential customers				
		2024	2023	2022
Avangrid Networks Berkshire Gas	50 MMBtu's	\$70.58	\$75.57	\$80.53
	100 MMBtu's	\$141.16	\$151.15	\$152.08
Avangrid Networks Connecticut Natural Gas	50 MMBtu's	\$75.93	\$81.70	\$86.23
	100 MMBtu's	\$126.50	\$137.88	\$146.16
Avangrid Networks Maine Natural Gas	50 MMBtu's	\$79.59	\$95.13	\$108.82
	100 MMBtu's	\$159.17	\$190.26	\$146.76
Avangrid Networks New York State Gas & Electric	50 MMBtu's	\$59.50	\$63.06	\$67.43
	100 MMBtu's	\$88.02	\$97.61	\$106.04
Avangrid Networks Rochester Gas & Electric	50 MMBtu's	\$49.08	\$63.06	\$67.43
	100 MMBtu's	\$77.57	\$97.61	\$106.04
Avangrid Networks Southern Connecticut Gas	50 MMBtu's	\$72.04	\$80.11	\$84.22
	100 MMBtu's	\$124.97	\$136.33	\$143.77

■ **IF-GU-240a.3**

Percentage of residential gas customers reconnected within 30 days after being disconnected for non-payment:

Residential gas customers reconnected within 30 days	
2024	2023
52%	57%

■ **IF-GU-240a.4**

Discussion of impact of external factors on customer affordability of gas, including the economic conditions of the service territory

See [Avangrid 2024 Corporate Responsibility Report](#)

- 2024 Highlights: Networks, page 8
- The Ongoing Role of Natural Gas, page 21
- The Berkshire Gas Company, pages 101-104
- [RG&E Gas Long Term Plan: Executive Summary, page 6](#)

## End-Use Efficiency

### ■ IF-GU-420a.1

Percentage of gas utility revenues from rate structures that are decoupled and contain a lost revenue adjustment mechanism (LRAM)

Percentage of gas utility revenues from rate structures			
	2024	2023	2022
Decoupled	100	100	98
Contain a lost revenue adjustment mechanism (LRAM)	0	0	0

### ■ IF-GU-420a.2

Customer gas savings from efficiency measures, by market

Customer gas savings from efficiency measures, by market (MMBtu)			
	2024	2023	2022
Avangrid Networks Berkshire Gas	65,036	27,988	22,775
Avangrid Networks Connecticut Natural Gas	70,062	79,057	147,110
Avangrid Networks Maine Natural Gas	—	—	—
Avangrid Networks New York State Gas & Electric	816,529	450,912	70,808
Avangrid Networks Rochester Gas & Electric	471,819	315,234	123,231
Avangrid Networks Southern Connecticut Gas	145,584	94,499	130,117
<b>Total</b>	<b>1,569,030</b>	<b>967,690</b>	<b>494,041</b>

## Integrity of Gas Delivery Infrastructure

### ■ IF-GU-540a.1

Number reportable pipeline incidents, corrective actions received, and violations of pipeline safety statutes

Number of reportable pipeline incidents, corrective actions received and violations of pipeline safety statutes				
		2024	2023	2022
Avangrid Networks Berkshire Gas	Reportable pipeline incidents	0	0	0
	Corrective actions received	0	0	0
	Violations of pipeline safety statutes	10	11	0
Avangrid Networks Connecticut Natural Gas	Reportable pipeline incidents	0	0	0
	Corrective actions received	0	0	0
	Violations of pipeline safety statutes	1	7	8
Avangrid Networks Maine Natural Gas	Reportable pipeline incidents	0	0	0
	Corrective actions received	0	0	0
	Violations of pipeline safety statutes	0	0	3
Avangrid Networks New York State Gas & Electric	Reportable pipeline incidents	0	0	1
	Corrective actions received	0	0	0
	Violations of pipeline safety statutes	9	0	0
Avangrid Networks Rochester Gas & Electric	Reportable pipeline incidents	2	0	0
	Corrective actions received	0	0	0
	Violations of pipeline safety statutes	3	0	0
Avangrid Networks Southern Connecticut Gas	Reportable pipeline incidents	0	0	0
	Corrective actions received	0	0	0
	Violations of pipeline safety statutes	1	6	19
<b>Total</b>	<b>Reportable pipeline incidents</b>	<b>2</b>	<b>0</b>	<b>1</b>
	<b>Corrective actions received</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>Violations of pipeline safety statutes</b>	<b>24</b>	<b>24</b>	<b>30</b>

■ **IF-GU-540a.2**

Percentage of distribution pipeline that is cast or wrought iron and unprotected steel

Percentage of distribution pipeline that is cast/wrought iron or unprotected steel				
		2024	2023	2022
Avangrid Networks Berkshire Gas	Cast/wrought iron	2.17	3	4.7
	Unprotected steel	4.06	4	3.8
Avangrid Networks Connecticut Natural Gas	Cast/wrought iron	5.04	6	11.2
	Unprotected steel	2.00	2	0.05
Avangrid Networks Maine Natural Gas	Cast/wrought iron	0	0	0
	Unprotected steel	0	0	0
Avangrid Networks New York State Gas & Electric	Cast/wrought iron	0.03	0	0.0007
	Unprotected steel	2.89	1	1.7
Avangrid Networks Rochester Gas & Electric	Cast/wrought iron	0.02	0	0
	Unprotected steel	0.94	0	1
Avangrid Networks Southern Connecticut Gas	Cast/wrought iron	11.32	13	22.2
	Unprotected steel	8	8	3.3

■ **IF-GU-540a.3**

Percentage of gas transmission and distribution pipelines inspected

Percentage of gas transmission and distribution pipelines inspected				
		2024	2023	2022
Avangrid Networks Berkshire Gas	Transmission	0	0	N/A
	Distribution	0	0	N/A
Avangrid Networks Connecticut Natural Gas	Transmission	0	0	N/A
	Distribution	0	0	0
Avangrid Networks Maine Natural Gas	Transmission	100	0	100
	Distribution	100	100	100
Avangrid Networks New York State Gas & Electric	Transmission	30	24.5	0
	Distribution	33	33	33
Avangrid Networks Rochester Gas & Electric	Transmission	7	0	6.33
	Distribution	33	33	33
Avangrid Networks Southern Connecticut Gas	Transmission	0	0	N/A
	Distribution	0	0	0



■ **IF-GU-540a.4**

Description of efforts to manage the integrity of gas delivery infrastructure, including risks related to safety and emissions

See [Avangrid 2024 Corporate Responsibility Report](#)

- 2024 Highlights: Networks, Investing in leak-prone main replacement, page 8
- Our Action on Resiliency: Avangrid’s Emissions, page 18
- Our Action on Resiliency: The Ongoing Role of Natural Gas, page 21
- Innovating for the Future: Investing in natural gas projects, page 73
- Innovating for the Future: Replacing leak-prone pipe and investigating in early leak-detection technologies, page 74
- Investing in Reliability and Resiliency: Replacing leak-prone pipes, page 95
- Innovating for the Future: Removing and replacing leak-prone gas main, page 104

## Activity Metrics - Gas

■ **IF-GU-000.A**

Number of gas customers served

Number of Gas Users			
	2024	2023	2022
Avangrid Networks Berkshire Gas	40,586	40,644	40,760
Avangrid Networks Connecticut Natural Gas	189,256	187,790	186,227
Avangrid Networks Maine Natural Gas	6,261	6,136	5,935
Avangrid Networks New York State Gas & Electric	271,926	271,976	271,955
Avangrid Networks Rochester Gas & Electric	325,838	324,793	323,496
Avangrid Networks Southern Connecticut Gas	211,489	208,601	208,904
<b>Total</b>	<b>1,045,356</b>	<b>1,039,940</b>	<b>1,037,277</b>

■ **IF-GU-000.B**

Amount of natural gas delivered to: residential customers, commercial customers, industrial customers, and transferred to a third party.

<b>Natural Gas Delivered</b>				
		<b>2024</b>	<b>2023</b>	<b>2,022</b>
Avangrid Networks Berkshire Gas	Amount of Natural Gas Delivered (MMBtu)	9,731,031	9,893,159	10,219,000
	% Delivered - Residential	29	29	30
	% Delivered - Commercial	21	21	22
	% Delivered - Industrial	50	49	48
	% Transferred to a 3rd-party	—	0	—
Avangrid Networks Connecticut Natural Gas	Amount of Natural Gas Delivered (MMBtu)	34,462,187	32,677,005	36,799,000
	% Delivered - Residential	46	50	48
	% Delivered - Commercial	36	38	37
	% Delivered - Industrial	5	5	5
	% Transferred to a 3rd-party	13	9	10
Avangrid Networks Maine Natural Gas	Amount of Natural Gas Delivered (MMBtu)	2,092,828	2,096,184	2,202,000
	% Delivered - Residential	19	19	19
	% Delivered - Commercial	47	47	47
	% Delivered - Industrial	2	2	2
	% Transferred to a 3rd-party	32	32	32
Avangrid Networks New York State Electric & Gas	Amount of Natural Gas Delivered (MMBtu)	50,634,700	52,445,058	55,590,000
	% Delivered - Residential	40	40	41
	% Delivered - Commercial	39	38	37
	% Delivered - Industrial	21	22	22
	% Transferred to a 3rd-party	—	0	—
Avangrid Networks Rochester Gas & Electric	Amount of Natural Gas Delivered (MMBtu)	51,990,574	54,434,921	58,884,000
	% Delivered - Residential	47	47	47
	% Delivered - Commercial	30	31	31
	% Delivered - Industrial	23	22	22
	% Transferred to a 3rd-party	—	0	—
Avangrid Networks Southern Connecticut Gas	Amount of Natural Gas Delivered (MMBtu)	33,837,630	34,292,687	36,031,000
	% Delivered - Residential	44	44	45
	% Delivered - Commercial	39	39	39
	% Delivered - Industrial	1	1	2
	% Transferred to a 3rd-party	16	17	14
<b>Avangrid Networks TOTAL</b>	<b>Total Amount of Natural Gas Delivered (MMBtu)</b>	<b>182,748,950</b>	<b>185,839,014</b>	<b>199,725,000</b>

■ **IF-GU-000.C**

Length of gas transmission and distribution pipelines.

<b>Length of Gas Pipelines (Miles)</b>				
		<b>2024</b>	<b>2023</b>	<b>2022</b>
Avangrid Networks Berkshire Gas	Transmission	—	—	—
	Distribution	1,139	1,139	770
	<b>Total</b>	<b>1,139</b>	<b>1,139</b>	<b>770</b>
Avangrid Networks Connecticut Natural Gas	Transmission	—	—	—
	Distribution	3,864	3,871	2,215
	<b>Total</b>	<b>3,864</b>	<b>3,871</b>	<b>2,215</b>
Avangrid Networks Maine Natural Gas	Transmission	2	2	2
	Distribution	325	324	231
	<b>Total</b>	<b>327</b>	<b>326</b>	<b>233</b>
Avangrid Networks New York State Electric & Gas	Transmission	20	20	20
	Distribution	8,556	8,527	8,486
	<b>Total</b>	<b>8,576</b>	<b>8,547</b>	<b>8,506</b>
Avangrid Networks Rochester Gas & Electric	Transmission	99	99	103
	Distribution	8,488	8,449	9,344
	<b>Total</b>	<b>8,586</b>	<b>8,548</b>	<b>9,447</b>
Avangrid Networks Southern Connecticut Gas	Transmission	—	—	—
	Distribution	4,246	4,242	2,513
	<b>Total</b>	<b>4,246</b>	<b>4,242</b>	<b>2,513</b>
<b>Avangrid Networks TOTAL</b>	Transmission	121	121	125
	Distribution	26,618	26,551	23,559
	<b>Total</b>	<b>26,739</b>	<b>26,672</b>	<b>23,684</b>